



24 SEP 2004



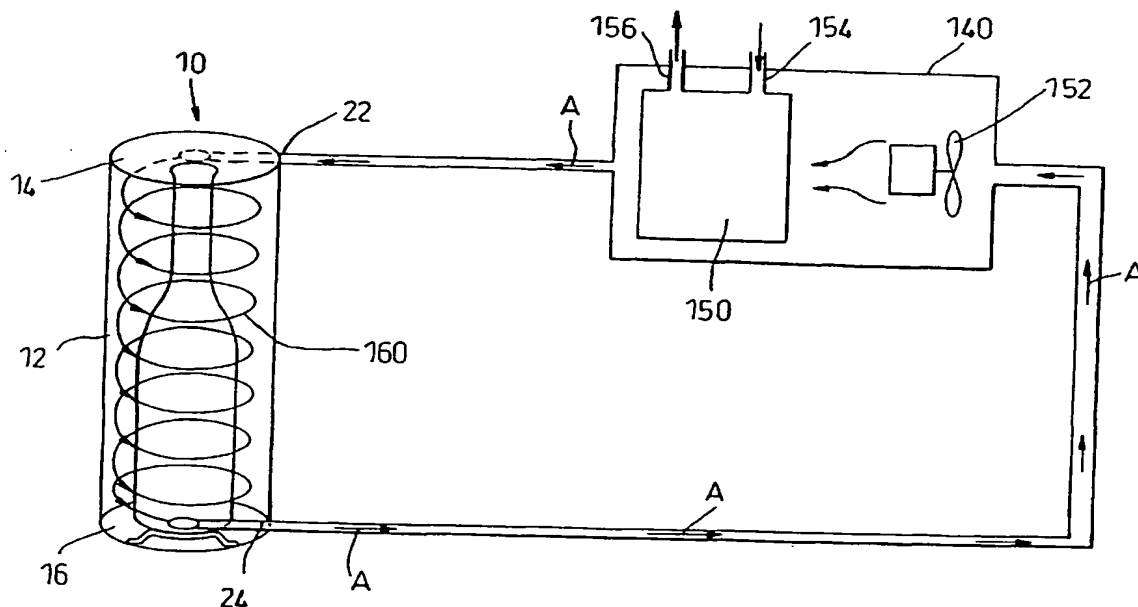
(43) International Publication Date  
9 October 2003 (09.10.2003)

PCT

(10) International Publication Number  
WO 03/083390 A1

- (51) International Patent Classification<sup>7</sup>: F25D 15/00
- (21) International Application Number: PCT/GB03/01327
- (22) International Filing Date: 20 March 2003 (20.03.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
0207183.5 27 March 2002 (27.03.2002) GB
- (71) Applicant (for all designated States except US): DYSON LTD [GB/GB]; Tetbury Hill, Malmesbury, Wiltshire SN16 0RP (GB).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): FORBES, Andrew [GB/GB]; 26 Leechpool Holdings, Port Skewegt, South Wales NP26 5UA (GB). PARKER, Steve, C., J. [GB/GB]; 39 Meadgate, Emersons Green, Bristol, Avon BS16 7AZ (GB). TAYLOR, Mark, Philip [GB/GB]; 12 Sunnyside, Stoke Bishop, Bristol, Avon BS9 1BQ (GB).
- (74) Agent: SMITH, Gillian, R.; Intellectual Property Department, Dyson Limited, Tetbury Hill, Malmesbury, Wiltshire SN16 0RP (GB).
- (81) Designated States (national): AE, AG, AI, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:  
— with international search report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: REFRIGERATING APPARATUS



(57) Abstract: The invention provides refrigerating apparatus (10;100) for chilling an object (26), the refrigerating apparatus (10;100) comprising a chamber (12;112) having a longitudinal axis (18;118), an inlet (22;122) and an outlet (24;124) spaced along the longitudinal axis (18;118), the refrigerating apparatus (10;100) further comprising means for generating a fluid flow, characterised in that rotation means (128) are provided for causing the fluid flow to follow a helical path about the longitudinal axis (18;118) within the chamber (12;112) between the inlet (22;122) and the outlet (24;124).

BEST AVAILABLE COPY

WO 03/083390 A1